South Dakota Educational Technology Standards

Fifth Grade

share

learn

explore

care

hope

understand

believe

Through the No Child Left Behind Act, the Enhancing Education Through Technology (Ed Tech) Program was created. The primary goal of the program is to improve student's academic achievement through the use of technology in schools.

Strands include:

- Nature, Concepts, and Systems

- Social Interactions

- Information and Communication Tools

- Information and Communication Processes

- Information Literacy and Decision Making

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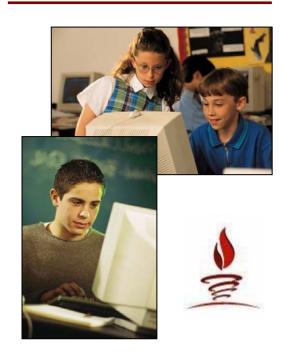
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These standards were created and designed to assist every student in crossing the digital divide by ensuring that they are technologically literate by the end of their public education in South Dakota.

Standards with Indicators

Nature, Concepts, and Systems

Indicator 1: Students understand the history and progression of technology in relation to the development and design of future technology.

5.NC.1.1 Describe the historical evolution of technological inventions as societies wants and needs change.

5.NC.1.2 Report on the relationship between technological inventions and societal changes.

5.NC.1.3 Identify ways people have adapted the natural world to meet their needs and wants.

Indicator 2: Students analyze the parts of a technological system in terms of input, process, output, and feedback.

5.NC.2.1 Evaluate what changes need to be made within a systems model to accomplish a goal.

5.NC.2.2 Evaluated how changes in a systems model affect the goal.

Indicator 3: Students analyze the relationships and connections between technologies in different fields of study and how they apply to communities.

5.NC.3.1 Analyze how careers have changed due to changes in technology.

Indicator 4: Students understand the purpose and demonstrate the use of the design process in problem solving.

5.NC.4.1 Evaluate solutions for positive and negative aspects in order to choose the optimum solution.

Social Interaction

Indicator 1: Students understand the safe, ethical, legal, and societal issues related to technology.

5.S.1.1 Describe the impact of unethical and illegal technology usage on the individual and society as a system.

5.S.1.2 Integrate personal safety precautions and etiquette while online.

5.S.1.3 Implement proper citation for a variety of information sources in created works.

5.S.1.4 Describe how technology is affecting a cultures heritage.

Indicator 2: Students investigate the advantages and disadvantages of technology.

5.S.2.1 Evaluate intended and unintended results of technology.

Information and Communication Tools

Indicator 1: Students recognize and demonstrate skills in operating technological systems.

5.CT.1.1 Personalize application menus and toolbars for greater productivity.

5.CT.1.2 Key 15 words per minute using touch typing techniques from hard copy or typing program.

5.CT.1.3 Compare the differences between input/output devices and other peripherals.

5.CT.1.4 Demonstrate the ability to transfer data between devices.

5.CT.1.5 Compare and contrast different ways of accessing commonly used commands.

Indicator 2: Students use technology to enhance learning, extend capability, and promote creativity.

5.CT.2.1 Use a spreadsheet application to create a product.

5.CT.2.2 Develop documents in design applications incorporating rich multimedia.

Indicator 3: Students evaluate and select information tools based on the appropriateness to specific tasks.

5.CT.3.1 Compare and contrast the functions and capabilities of technology tools.

Information and Communication Processes

Indicator 1: Students understand the purpose of information technologies to communicate with a variety of collaborators.

5.CP.1.1 Collaborate with other students outside the classroom utilizing distance technologies to create a media-rich product.

Indicator 2: Students exchange information and ideas for an identified purpose through information technologies.

5.CP.2.1 Select the most effective tools to deliver information and ideas in different times and places.

Information Literacy and Decision Making

Indicator 1: Students use technology to locate and acquire information.

5.IL.1.1 Produce relevant information using advanced search functions.

Indicator 2: Students determine the reliability and relevancy of information.

5.IL.2.1 Apply a given evaluation tool to determine the reliability of an online source.